

Bryant
Air Conditioning
Company

bryant
®

**PRODUCT DATA
ELECTRONIC CONTROL
OPTIONS AND
FIA COMPONENTS**

FILE PDS 246.0.3

These electronic pilot options are available for Model 246 Gas-Fired Boiler application. FIA does not approve a specific device or unit. Approval applies to the complete installation based upon the local FIA engineer's evaluation of equipment, hazards of building usage, and the insurance liabilities involved.

FIA generally recommends that gas-fired sectional boilers be equipped with electronically supervised pilots, low-water cutoffs (water boilers included), operating controllers separate from limit controls, also such special gas valving and accessory trim as is covered in the Group C listing. To match FIA recommendations, order the Group A, Manual Ignition Electronic Control Package, and Group C, Valves and Accessories, in combination with the standard 246 Boiler 100% shut-off trim, either D5 (natural gas) or D2 (propane gas).

These options are A.G.A. certified for use with the Model 246 Boiler.

**Group A: Manual Pilot Ignition— for Natural
or Propane Gas**

1. H-RA890F electronic relay and Q270A base.
2. H-Q179B electronic pilot.
3. High-temperature flame rod wire for use in the high-temperature area.
4. Optional control panel with service lights and switches with relay base assembled and wired to a terminal strip.

**Group B: Electric Pilot Ignition— for Natural
or Propane Gas**

1. RA890F electronic relay and base.
2. Q179A electronic pilot.
3. High-temperature flame rod and ignition wire (10 ft. of each) for use in the high-temperature area.
4. Ignition transformer 6000 volt.
5. Pilot line solenoid valve.
6. Optional control panel with service lights and switches with the relay base assembled and wired to a terminal strip.

**Group C: Valves and Accessories for FIA Systems
NATURAL GAS**

| Bryant P/N | Quantity | Gas Valve Body Size (Inches) | Gas Valve Operator | | Gas Cock Size (inches) | System Vent Size (inches) | Vent Valves P/N | Gas Pressure Regulator Size (inches) |
|---------------|----------|------------------------------------|--------------------|----------|------------------------------|---------------------------------|--------------------|--|
| | | | On-Off Type | Quantity | | | | |
| 70505D01 | 2 | 1 IPS | H-V4055A | 2 | 1 IPS | 3/4 | ASCO-8030A83 | 1 IPS |
| 70505D02 | 2 | 1-1/4 IPS | H-V4055A | 2 | 1-1/4 IPS | 3/4 | ASCO-8030A83 | 1-1/4 IPS |
| 70505D03 | 2 | 2 IPS | H-V4055A | 2 | 1-1/2 IPS | 1 | ASCO-8215A53 | 1-1/2 IPS |
| 70505D04 | 2 | 2 IPS | H-V4055A | 2 | 2 IPS | 1 | ASCO-8215A53 | 2 IPS |
| 70505D05 | 2 | 2-1/2 IPS | H-V4055A | 2 | 2-1/2 IPS | 1-1/4 | ASCO-8215A63 | 2-1/2 IPS |
| 70505D06 | 2 | 3 IPS | H-V4055A | 2 | 2-1/2 IPS | 1-1/4 | ASCO-8215A63 | 3 IPS |

PROPANE GAS

| | | | | | | | | |
|----------|---|-----------|----------|---|-----------|-----|--------------|------|
| 70505D07 | 2 | 1 IPS | H-V4055A | 2 | 1 IPS | 3/4 | ASCO-8030A83 | None |
| 70505D08 | 2 | 1-1/4 IPS | H-V4055A | 2 | 1-1/4 IPS | 3/4 | ASCO-8030A83 | None |
| 70505D09 | 2 | 2 IPS | H-V4055A | 2 | 2 IPS | 1 | ASCO-8215A53 | None |

NOTE: "H" preceding part number designates Honeywell; "ASCO" preceding part number designates Automatic Switch Co. In addition to the components specifically tabulated for each part number in Group C, the following items are automatically included:

| Item | P/N | Item | P/N |
|--------------------------|---------|-------------------------|---------|
| 5-minute purge timer | H-S427B | Low-pressure gas switch | H-Q645A |
| High-pressure gas switch | H-C645B | Boiler drain valve | 3/4 IPS |

JOB

DATE

BOILER DESCRIBED IN ATTACHED PDS 246.

GAS CONTROL TRIM LOW-WATER CUTOFF

PART NUMBER OF FIA GROUP C PACKAGE

ELECTRONIC PILOT FLAME PROTECTION OPTION

Ignition: Manual _____ or Electric _____

Control Panel: With _____ or Without _____

FILE
COPY
DO NOT
REMOVE